

Federal Energy and Water Management AWARDS 2013



The San Dimas Technology and Development Center's Solar Photovoltaic System ribbon cutting ceremony (left to right): Douglas Dahle, Principal Program Manager (Solar), DOE's National Renewable Energy Laboratory; Renee Jewell, Program Manager/Energy Manager/Contracting Officer; Michael Picker, Senior Advisor to the Governor (Mr. Edmund Gerald "Jerry" Brown, Jr.) for Renewable Energy Facilities, State of California; Smokey Bear; and Kathleen Kreyns, Safety, Operations and Facilities Program Leader, San Dimas, Forest Service.



John Eichhorst, John Fehr M. Renee Jewell, Kathleen Kreyns U.S. Department of Agriculture San Dimas, California

In FY 2012, the Forest Service completed upgrades to the San Dimas Technology and Development Center (SDTDC), resulting in the first net-zero energy facility in the U.S. Department of Agriculture's portfolio. Net-zero energy status was accomplished by first installing numerous energy saving measures to the 48 year old facility, including replacing the original HVAC system and installing a high efficiency boiler, energy efficient fluorescent lamps, plug load strips, and occupancy sensors. STDTC then installed a 302-kilowatt photovoltaic (PV) system connected to the Southern California

Edison (SCE) electrical grid. The PV system generates more than 100 percent of the facility's energy needs. SCE is able to apply a credit to both SDTDC and the Angeles National Forest Headquarters for excess energy the system generates. From July 2012, when the system first came on line, through the end of the calendar year the system generated more than 800 million Btu of renewable energy and resulted in a credit to SDTDC and to the Angeles National Forest SCE accounts of more than \$13,000.